

Work Order ID 165058

165058

Monday, August 14, 2017 2:52:19 PM

9/28/17

Page 1

Item ID: 646.9501

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/28/2017 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

W

DAS
21
9-89

Date:

8/14/17

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

NR1

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
646.9500	N/C

SP

AUG 19 2017

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP 646.9501

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

QC4- 100% inspect kits for completeness

0.00

120

QC

Memo

0.03

Quality Control

CANCEL

1
SEP 05 2017

DAS
6
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Work Order ID 165058

165058

Page 2

Monday, August 14, 2017 2:52:19 PM

Item ID: 646.9501 Accept *N900040100* Setup Start *NS1*
Revision ID: Stop *NS2*
Item Name: 206A/B/L-Series Cable Cutter System, High
Start Date: 9/21/2017 Start Qty: 1.00 *1* Cust Item ID:
Required Date: 9/28/2017 Req'd Qty: 1.00 *1* Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* Packaging Packaging	Identify as per dwg & Stock Location: _____ Packaging Memo Identify and pack for shipping as per PPP 646.9501 Location : FG101	0.00 0.00							
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.10							



SEP 11 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

Monday, August 14, 2017 2:52:17 PM

Work Order ID: 165058

165058

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.08.28 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

600.0990

Purchased

No

110

Each

23.0000

1

1

600 0990

Magnabond 6398 Part A Size 112 ml

Location

Loc Qty

Loc Code

PKG

23

M136586

1

M136862

1

M137073

2

M137495

9

M137712

10

600.0991

Purchased

No

110

Each

24.0000

1

1

600 0991

Magnabond 6398 Part B Size 112 ml

Location

Loc Qty

Loc Code

PKG

24

m136586

2

m136862

1

m137073

2

m137495

9

m137712

10

600.1012

Purchased

No

110

Each

20.0000

1

1

600 1012

Sealant PR1425B2 (#654 sem)

Location

Loc Qty

Loc Code

cck017

20

m137371

1

m137699

11

m138084

8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

Picklist Print

Monday, August 14, 2017 2:52:17 PM

Page 2

Work Order ID: 165058

165058

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

646.9601 Manufactured No

110 Each 6.0000 1 1

646.9601

Upper Cutter Assembly

**

Location

Loc Qty

Loc Code

cck039

6

162669

1

160091

1

4/10/2018

160764

2

2/11/2019

160763

2

2/16/2019

646.9602 Manufactured No

110 Each 20.0000 1 1

646.9602

Lower Cutter Assembly High

**

Location

Loc Qty

Loc Code

CCK037

10

109598

10

CCK038

10

126804

10

646.9810 Manufactured No

110 Each 4.0000 1 1

646.9810

Deflector

**

Location

Loc Qty

Loc Code

CCK041

4

160765

4

646.9910 Manufactured No

110 Each 24.0000 4 4

646.9910

Struts

**

Location

Loc Qty

Loc Code

CCK014

24

146573

1

155353

8

160520

15

DAS
6

SEP 05 2017

8-89

Monday, August 14, 2017 2:52:17 PM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, August 14, 2017 2:52:17 PM

Page 3

Work Order ID: 165058

165058

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

647.0110 Manufactured No

110 Each 9.0000 1 1

647 0110

Roof Doubler

**

SEP 05 2017
DAS 6 9-89

Location Loc Qty Loc Code

CCK088 9

155468 9

647.0111 Manufactured No

110 Each 13.0000 1 1

647 0111

Panel

**

SEP 05 2017
DAS 6 9-89

Location Loc Qty Loc Code

CCK083 12

159852 12

CCK088 1

142691 1

647.0112 Manufactured No

110 Each 74.0000 8 8

647 0112

Strut Bracket

**

SEP 05 2017
DAS 6 9-89

Location Loc Qty Loc Code

CCK106 44

161667 44

CCK108A 30

162372 15

164710 15

647.0113 Manufactured No

110 Each 18.0000 2 2

647 0113

Strut Doubler

**

SEP 05 2017
DAS 6 9-89

Location Loc Qty Loc Code

CCK089 18

142256 2

155571 10

161747 6

Monday, August 14, 2017 2:52:17 PM

Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Monday, August 14, 2017 2:52:17 PM

Page 4

Work Order ID: 165058

165058

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

647.0114

Manufactured No

110 Each

50.0000

1

1

SEP 05 2017

647 0114

Clip

**

DAS
6
9-89

Location

Loc Qty

Loc Code

CCK107

50

106616

50

647.0115

Manufactured No

110 Each

45.0000

1

1

SEP 05 2017

647 0115

Clip

**

DAS
6
9-89

Location

Loc Qty

Loc Code

CCK107

45

106617

45

647.0116

Manufactured No

110 Each

42.0000

2

2

SEP 05 2017

647 0116

Doubler

**

DAS
6
9-89

Location

Loc Qty

Loc Code

CCK107

42

151372

2

159857

40

647.0210

Manufactured No

110 Each

8.0000

1

1

SEP 05 2017

647 0210

Rail

**

DAS
6
9-89

Location

Loc Qty

Loc Code

CCK089

8

151662

3

160442

5

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER : _____									

Picklist Print

Monday, August 14, 2017 2:52:17 PM

Page 5

Work Order ID: 165058

165058

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

647.0310

Manufactured No

110 Each

15.0000

2

2

SEP 05 2017

647 0310

Channel

**

Location

Loc Qty

Loc Code

CCK090

15

160184

15

647.0410

Manufactured No

110 Each

11.0000

1

1

SEP 05 2017

647 0410

Tube

**

Location

Loc Qty

Loc Code

CCK107

11

151677

1

159786

10

647.1210

Manufactured No

110 Each

25.0000

1

1

SEP 05 2017

647 1210

Screen

**

Location

Loc Qty

Loc Code

CCK107

25

159856

25

AN3-10A

Purchased No

110 Each

113.0000

8

8

SEP 05 2017

AN3-10A

Bolt

**

Location

Loc Qty

Loc Code

GA

39

m136787

39

ST349

74

m138084

74

138326

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																								
Description Work Order Deviation				Disposition				Completed By																																																							
								Lead hand / Supervisor Approval Verification																																																							
								QC / QA Coordinator Approval																																																							
Root Cause		FAULT CATEGORY																																																													
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :	
Misidentified ☐	Past Due ☐																																																														

Picklist Print

Monday, August 14, 2017 2:52:17 PM

Page 6

Work Order ID: 165058

165058

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

AN3-11A Purchased No

110 Each 192.0000 8 8

AN3-11A

Bolt

**

Location Loc Qty Loc Code

over003 100

m136192 100

ST349 92

m138230 92

AN3-3A Purchased No

110 Each 106.0000 1 1

AN3-3A

Bolt

**

Location Loc Qty Loc Code

ST350 106

m137597 31

m137853 50

m138207 25

AN743-13 Purchased No

110 Each 17.0000 1 1

AN743-13

Bracket

**

Location Loc Qty Loc Code

ST330 17

M129732 7

M136665 10

CCR264SS3-04 Purchased No

110 Each 169.0000 12 12

CCR264SS3-04

Rivet

**

Location Loc Qty Loc Code

ST321 169

123785 5

m137391 88

m137736 76

WIP 3 11 7111
DAS
6
9-89

AUG 30 2017
DAS
6
9-89

AUG 30 2017
DAS
6
9-89

AUG 30 2017
DAS
6
9-89

Monday, August 14, 2017 2:52:17 PM

Shop Packet Print

Page 6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By					
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					

Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

Picklist Print

Monday, August 14, 2017 2:52:17 PM

Page 7

Work Order ID: 165058

165058

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

CCR264SS-3-06 Purchased No

110 Each 55.0000 8 8

CCR264SS-3-06

Rivet

**

AUG 30 2017

Location

Loc Qty

Loc Code

ST321

55

m135865

55

CCR264SS3-2 CCR264SS3-02 Purchased No

110 Each 0.0000 4 4

CCR264SS3-2

Rivet, Cherry

**

AUG 30 2017

CR3212-4-4 CR3212-4-04 Purchased No

110 Each 0.0000 1 1

CR3212-4-4

CHERRY RIVET

**

AUG 30 2017

CR3212-5-4 Purchased No

110 Each 48.0000 8 8

CR3212-5-4

Cherry Rivet

**

DAS

6

AUG 30 2017

Location

Loc Qty

Loc Code

ST320

48

m133709

48

CR3213-4-05 Purchased No

110 Each 197.0000 26 26

CR3213-4-05

RIVET

**

DAS

6

AUG 30 2017

Location

Loc Qty

Loc Code

ST319

197

m138084

197

CR3213-4-1 Purchased No

110 Each 96.0000 14 14

CR3213-4-1

Cherry Rivet

**

DAS

6

9-89

AUG 30 2017

Location

Loc Qty

Loc Code

ST320

96

m137478

96

Monday, August 14, 2017 2:52:17 PM

Shop Packet Print

Page 7

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, August 14, 2017 2:52:17 PM

Page 8

Work Order ID: 165058

165058

Parent Item: 646.9501

646 9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-2 Purchased No

110 Each 172.0000 18 18

CR3213-4-2

Cherry Rivet

**

Location

Loc Qty

Loc Code

CCK003

100

m137710

100

ST320

72

m137621

72

CR3213-4-3 Purchased No

110 Each 198.0000 18 18

CR3213-4-3

Rivet, Cherry

**

Location

Loc Qty

Loc Code

CCK003

100

m137988

100

GA

92

m136042

92

ST319

6

m136851

6

CR3213-4-4 Purchased No

110 Each 124.0000 19 19

CR3213-4-4

Rivet, Cherry

**

Location

Loc Qty

Loc Code

CCK003

100

m137736

100

ST319

24

m136301

22

m137391

2

DAS
6
9-89

AUG 30 2017

138336x18

DAS
6
9-89

AUG 30 2017

137321

DAS
6
9-89

AUG 30 2017

137544

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, August 14, 2017 2:52:18 PM

Work Order ID: 165058

165058

Parent Item: 646.9501

646.9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-6 Purchased No

110 Each 133.0000 20 20

CR3213-4-6

Rivet

**

Location

Loc Qty

Loc Code

CCK003

100

M136199

100

ST319

33

M135978

33

DAS

6

9-89

AUG 30 2017

138333

MS21042-08 MS21042L08

Purchased No

110 Each 0.0000 54 54

MS21042-08

USE MS21042L08

**

~~138333~~ 22

DAS

6

9-89

13832710 138207

MS21042-3 MS21042L3

Purchased No

110 Each 0.0000 17 17

MS21042-3

Nut

**

138326

DAS

6

9-89

AUG 30 2017

MS21047-3

Purchased No

110 Each 217.0000 6 6

MS21047-3

Nut Plate

**

Location

Loc Qty

Loc Code

ST301

217

m137459

17

m137710

100

m138040

100

DAS

6

9-89

AUG 30 2017

6

MS21059-3

Purchased No

110 Each 431.0000 2 2

MS21059-3

Nut Plate

**

Location

Loc Qty

Loc Code

ST301

431

123023

30

123900

401

DAS

6

9-89

AUG 30 2017

2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, August 14, 2017 2:52:18 PM

Page 10

Work Order ID: 165058

165058

Parent Item: 646.9501

646 9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

MS21059L08

Purchased

No

110

Each

99.0000

4

4

MS21059L 08

Nut

**

DAS
6
9-89

AUG 30 2017

Location

Loc Qty

Loc Code

ST300

99

m134943

1

m136554

98

MS24694-S8

Purchased

No

110

Each

64.0000

5

5

MS24694-S8

Screw

**

DAS
6
9-89

AUG 30 2017

Location

Loc Qty

Loc Code

ST285

64

M134654

64

MS27039-08-06

Purchased

No

110

Each

50.0000

4

4

MS27039-08-06

Screw

**

DAS
6
9-89

AUG 30 2017

Location

Loc Qty

Loc Code

ST278

50

m126249

50

MS27039-08-09

Purchased

No

110

Each

48.0000

4

4

MS27039-08-09

Screw

**

DAS
6
9-89

AUG 30 2017

Location

Loc Qty

Loc Code

ST278

48

m135536

48

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, August 14, 2017 2:52:18 PM

Page 11

Work Order ID: 165058

165058

Parent Item: 646.9501

646 9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-11

Purchased

No

110

Each

184.0000

43

43

MS27039-08-11

SCREW

**

Location

Loc Qty

Loc Code

ST278

184

M128770

2

m133768

8

m135864

4

m137412

170

13836

9-89 DAS

AUG 30 2017

MS27039-08-12

Purchased

No

110

Each

106.0000

2

2

MS27039-08-12

Screw

**

Location

Loc Qty

Loc Code

ST278

106

123352

8

124326

98

2

9-89 DAS

AUG 30 2017

MS27039-08-13

Purchased

No

110

Each

224.0000

6

6

MS27039-08-13

Screw

**

Location

Loc Qty

Loc Code

ST278

224

153849

224

6

9-89 DAS

AUG 30 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, August 14, 2017 2:52:18 PM

Page 12

Work Order ID: 165058

165058

Parent Item: 646.9501

646 9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-08

Purchased

No

110

Each

517.0000

5

5

MS27039-1-08

Screw

**

DAS
6

AUG 30 2017

Location

Loc Qty

Loc Code

FP001

51

m136047

3

m137361

48

GA

22

m128636

22

over006

300

m138209

300

ST281

144

m137820

144

MS27039-1-11

Purchased

No

110

Each

81.0000

5

5

MS27039-1-11

Screw

**

AUG 30 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

ST280

81

m137544

81

MS35842-11

Purchased

No

110

Each

15.0000

1

1

MS35842-11

Hose Clamp

**

AUG 30 2017

DAS
6
9-89

Location

Loc Qty

Loc Code

ST545

15

m134943

15

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Monday, August 14, 2017 2:52:18 PM

Page 13

Work Order ID: 165058

165058

Parent Item: 646.9501

646 9501

Parent Item Name: 206A/B/L-Series Cable Cutter System, High

Start Date: 9/21/2017

Required Date: 9/28/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

110

Each

3,332.000

62

62

NAS1149F0332P

Washer

**

DAS
6
9-89

AUG 30 2017

Location

Loc Qty

Loc Code

GA

275

m133709

275

ST260a

2000

m138209

2000

ST262

1057

m137710

1057

NAS1149FN832P

Purchased

No

110

Each

1,401.000

111

111

NAS1149FN832P

Washer

**

DAS
6
9-89

AUG 30 2017

Location

Loc Qty

Loc Code

GA

843

M135058

208

M136182

40

M136866

43

M137820

552

ST263

558

M137820

558

NAS1835-08

Purchased

No

110

Each

26.0000

4

4

NAS1835-08

Insert

**

DAS
6
9-89

13833 6x4

AUG 30 2017

Location

Loc Qty

Loc Code

st549

26

m135864

2

m137412

24

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

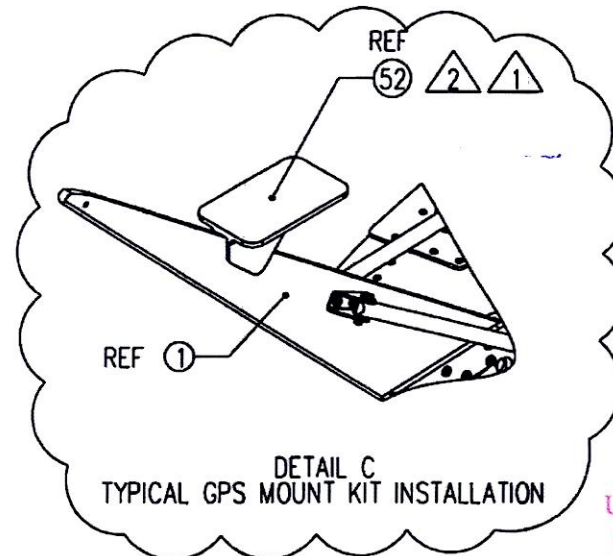
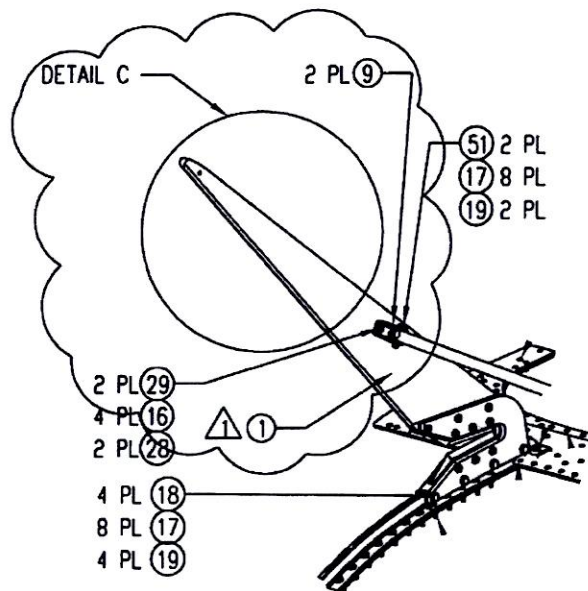
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03047				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: NC	PREPARED BY J. JACKSON	DATE: 01/24/11	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED GPS MOUNT KIT, F/N 52. REVISED DRAWING VIEWS. ADDED NOTE <u>2</u> .				

SHEET 1, ZONE B1 IS:

2 AT CUSTOMERS OPTION, INSTALL F/N 52 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A3 IS:

SHEET 2, ZONE B2 IS:



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 165058
1/11 8/14/17

52	A	647.5701	REF	REF	GPS MOUNT KIT	<u>2</u>	
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL	SPECIFICATION
			.9502 .9501				
DOCUMENTS EFFECTED:						CHANGE CATEGORY	DER REVIEW REQUIRED
☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM						☐ MAJOR ☒ MINOR	☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: CORRECTED PARTS LIST ERRORS					

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 165058
W 8/14/17

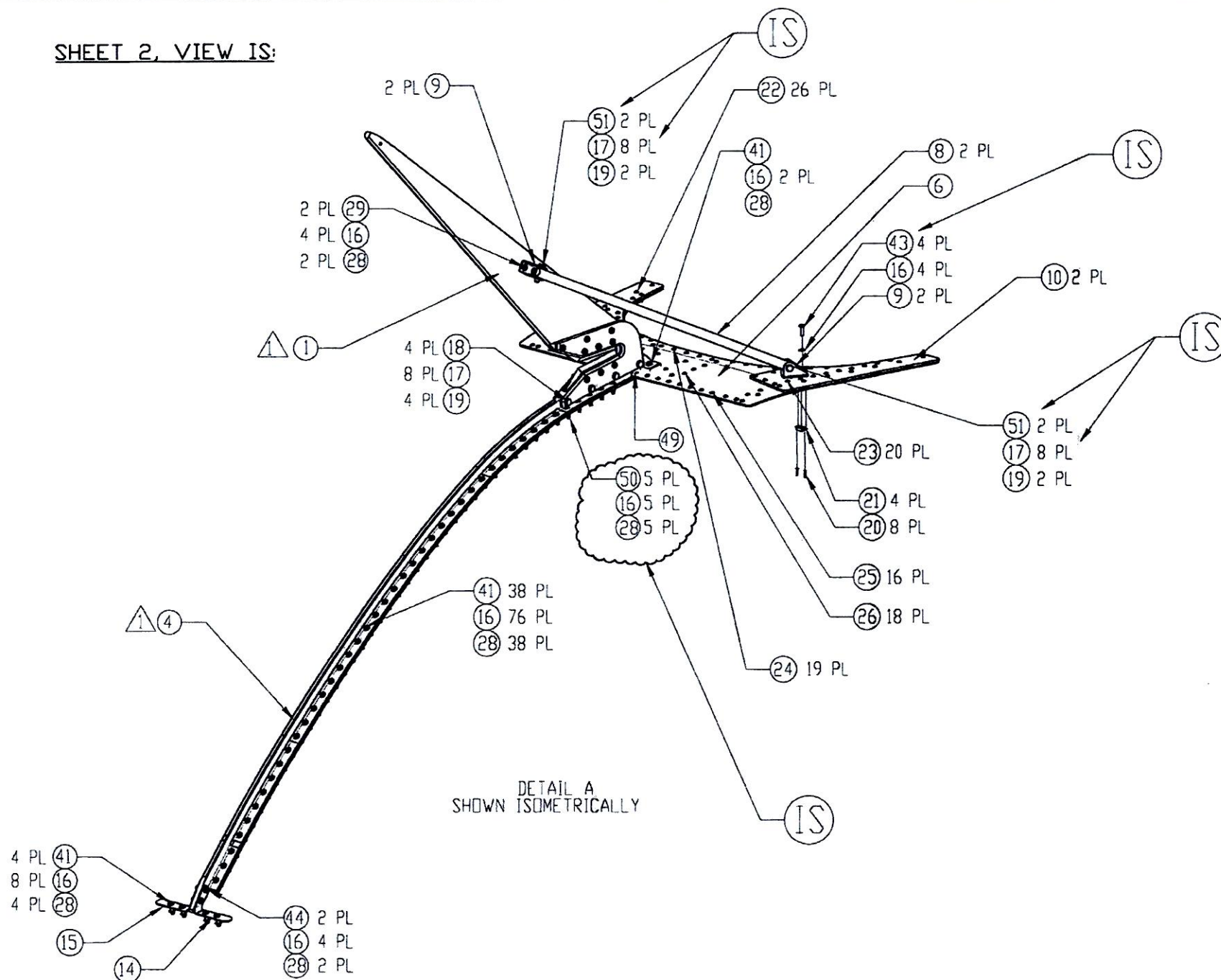
17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY	DESCRIPTION		MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

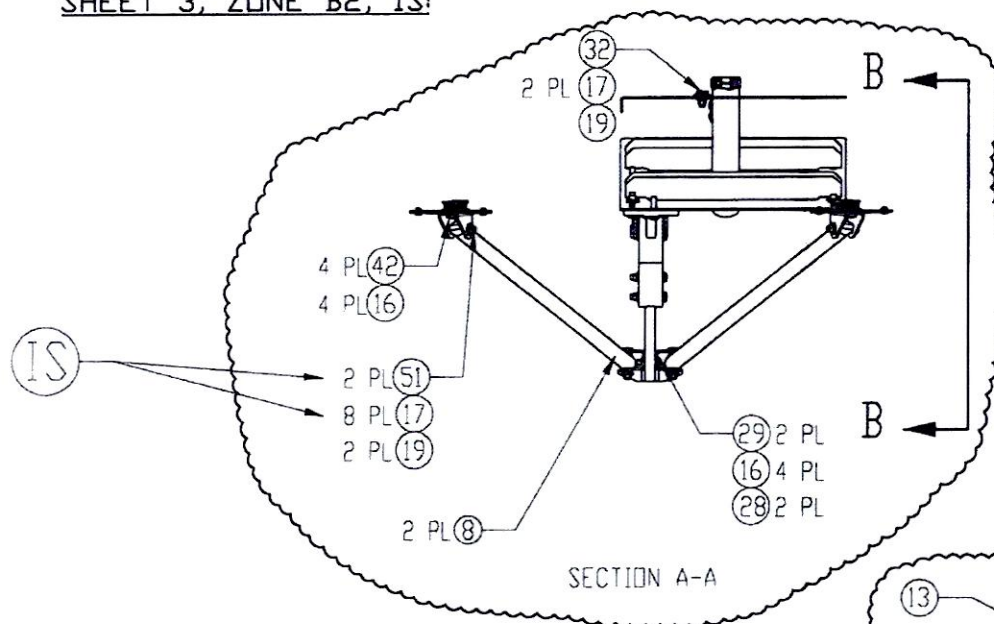
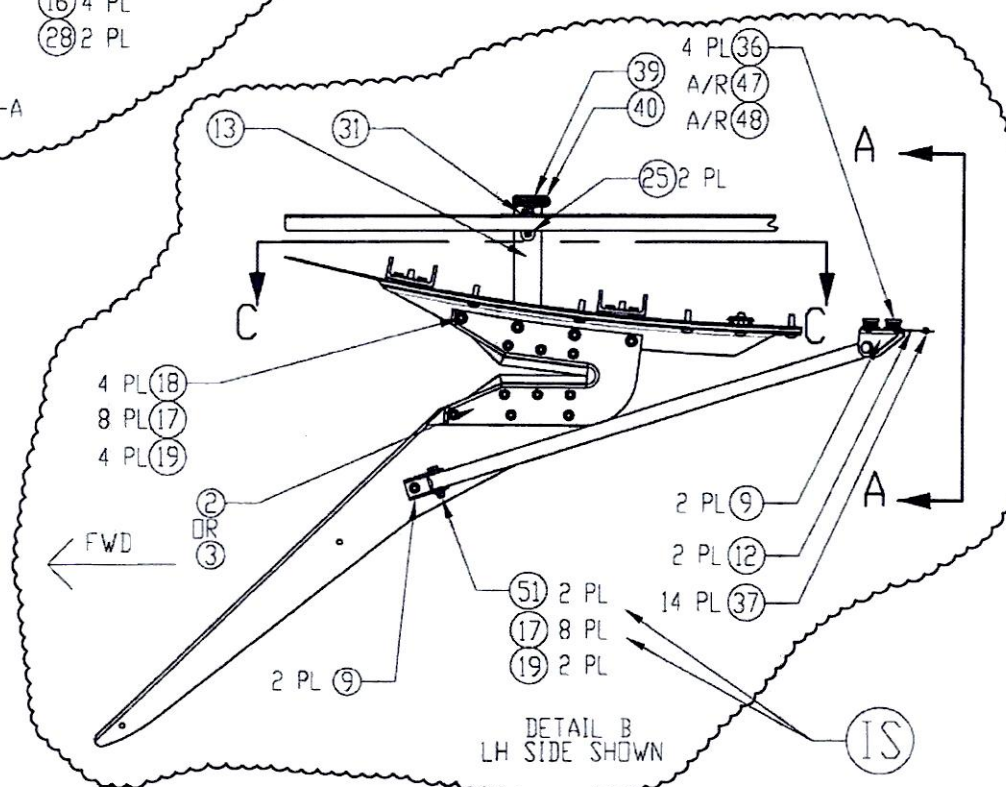
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
APPROVED BY:		ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE		REASON: HARDWARE REVISIONS FROM FIRST INSTALL				

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 165058
LM 8/14/17

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

SHEET 2, VIEW IS:



SHEET 3, ZONE B2, IS:SHEET 3, ZONE D2, IS:

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

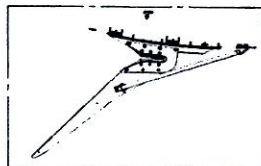
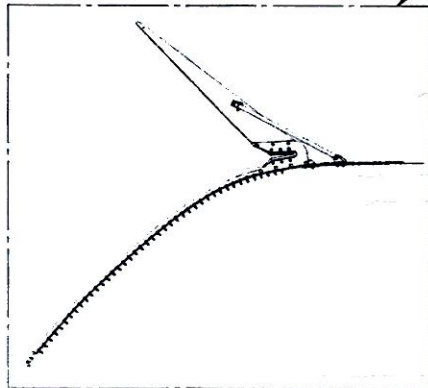
NOTES:

1 AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

UNINCORPORATED ECN(S)

02729, 02736, 03047

DETAIL A



DETAIL B

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 165058

LM 8/14/17

QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
1	1	49	601.1066 RIVET	CR3212-4-4	
1	1	48	600.0991 MAGNORONED A378 PART B		
1	1	47	600.0990 MAGNORONED A378 PART A		
1	1	46	600.1012 SEALANT	PP-1425 CLASS B	
5	5	45	601.1949 SCREW	MS27039-1-11	
2	2	44	601.2989 SCREW	MS27039-0812	
4	4	43	601.2987 SCREW	MS27039-0809	
4	4	42	601.3000 SCREW	MS27039-0806	
9502	9501	FIND #	PART #	DESCRIPTION	MATL SPEC.

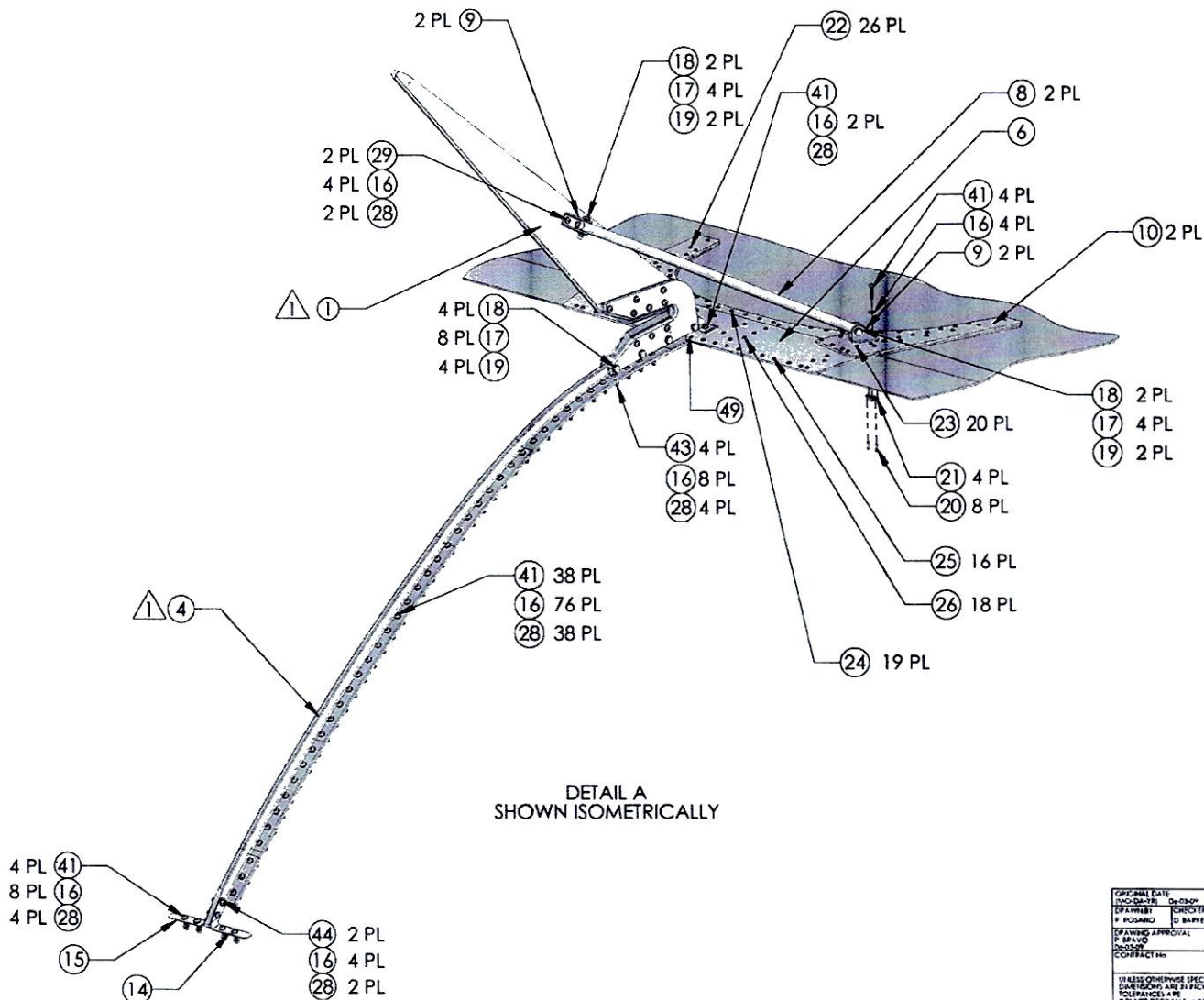
REV	DESCRIPTION	DATE	APPROVED
1	LAST PROTOTYPE REVISION PER		ENC
2	FINAL RELEASE	06/03/09	P. MAYO

47	47	41	601.2893	SCREW	MS27039-0811
1	1	40	601.2982	HOSE CLAMP	MS35042-11
1	1	39	647.1210	SCREEN	
5	5	38	601.1621	SCREW	MS27039-1-08
14	14	37	601.2979	RIVET	CR3213-4-1
4	4	36	601.2984	INSERT	MS1835-08
4	4	35	601.2277	RIVET	CR3213-4-1
8	8	34	601.2983	RIVET	CR3212-5-4
12	12	33	601.2980	NUTPLATE RIVET	CR3213-4-1
1	1	32	601.2822	BOLT	AN3-3A
1	1	31	601.2985	BRACKET	AN743-13
2	2	30	601.1900	NUTPLATE	MS21059-3
6	6	29	601.2988	SCREW	MS27039-0813
53	53	28	601.2973	LOCKNUT	MS21042-08
6	6	27	600.0795	NUTPLATE	MS21047-3
18	18	26	601.0790	RIVET	CR3213-4-3
18	18	25	601.1039	RIVET	CR3213-4-2
19	19	24	601.1915	RIVET	CR3213-4-4
20	20	23	601.2991	RIVET	CR3213-4-6
26	26	22	601.1183	RIVET	CR3213-4-5
4	4	21	601.2356	NUTPLATE	MS21059L08
8	8	20	601.2981	NUTPLATE RIVET	CR3213-4-1
17	17	19	601.2943	LOCKNUT	MS21042-3
16	16	18	601.2826	BOLT	AN3-11A
46	46	17	601.1607	WASHER	MS11499032P
114	114	16	601.2764	WASHER	MS11499032P
1	1	15	647.0115	CLIP	
1	1	14	647.0114	CLIP	
1	1	13	647.0410	TUBE	
2	2	12	647.0116	DOUBLER	
1	1	11	647.0111	PANEL	
2	2	10	647.0113	STRUT DOUBLER	
8	8	9	647.0112	STRUT BRACKET	
4	4	8	646.9910	STRUT	
2	2	7	647.0310	CHANNEL	
1	1	6	647.0110	ROOF DOUBLER	
1	1	5	647.0210	RAIL	
1	1	4	646.9810	DEFLECTOR	
1	1	3	646.9603	LOWER CUTTER ASSY LOW	
1	1	2	646.9602	LOWER CUTTER ASSY HIGH	
1	1	1	646.9601	UPPER CUTTER ASSY	
1	1	1	646.9502	206 CABLE CUTTERS FIT LOW	
1	1	1	646.9501	206 CABLE CUTTERS FIT HIGH	

QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
1	1	1	646.9501	206 CABLE CUTTERS FIT HIGH	
1	1	1	646.9502	206 CABLE CUTTERS FIT LOW	
1	1	1	646.9601	UPPER CUTTER ASSY	
1	1	2	646.9602	LOWER CUTTER ASSY HIGH	
1	1	3	646.9603	LOWER CUTTER ASSY LOW	
1	1	4	646.9810	DEFLECTOR	
1	1	5	647.0210	RAIL	
1	1	6	647.0110	ROOF DOUBLER	
2	2	7	647.0310	CHANNEL	
4	4	8	646.9910	STRUT	
8	8	9	647.0112	STRUT BRACKET	
2	2	10	647.0113	STRUT DOUBLER	
1	1	11	647.0111	PANEL	
2	2	12	647.0116	DOUBLER	
1	1	13	647.0410	TUBE	
1	1	14	647.0114	CLIP	
1	1	15	647.0115	CLIP	
114	114	16	601.2764	WASHER	MS11499032P
46	46	17	601.1607	WASHER	MS11499032P
16	16	18	601.2826	BOLT	AN3-11A
17	17	19	601.2943	LOCKNUT	MS21042-3
8	8	20	601.2981	NUTPLATE RIVET	CR3213-4-1
4	4	21	601.2356	NUTPLATE	MS21059L08
26	26	22	601.1183	RIVET	CR3213-4-5
20	20	23	601.2991	RIVET	CR3213-4-6
19	19	24	601.1915	RIVET	CR3213-4-4
18	18	25	601.1039	RIVET	CR3213-4-2
18	18	26	601.0790	RIVET	CR3213-4-3
6	6	27	600.0795	NUTPLATE	MS21047-3
53	53	28	601.2973	LOCKNUT	MS21042-08
6	6	29	601.2988	SCREW	MS27039-0813
2	2	30	601.1900	NUTPLATE	MS21059-3
1	1	31	601.2985	BRACKET	AN743-13
1	1	32	601.2822	BOLT	AN3-3A
12	12	33	601.2980	NUTPLATE RIVET	CR3213-4-1
8	8	34	601.2983	RIVET	CR3212-5-4
4	4	35	601.2277	RIVET	CR3213-4-1
4	4	36	601.2984	INSERT	MS1835-08
14	14	37	601.2979	RIVET	CR3213-4-1
5	5	38	601.1621	SCREW	MS27039-1-08
1	1	39	647.1210	SCREEN	
1	1	40	601.2982	HOSE CLAMP	MS35042-11
47	47	41	601.2893	SCREW	MS27039-0811

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300
206 CABLE CUTTERS KIT
646.9500
SCALE NONE
SHEET 1 OF 3

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



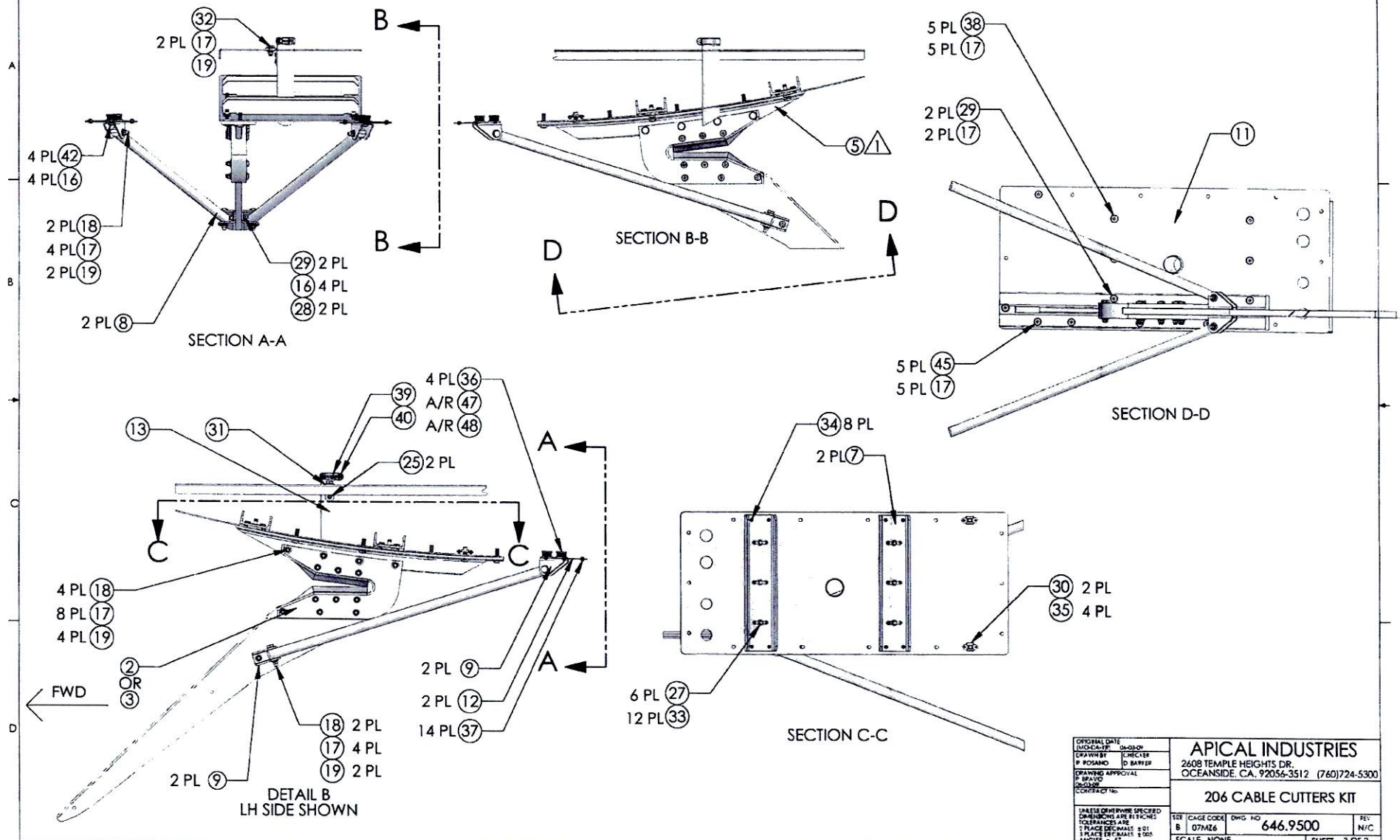
DETAIL A
SHOWN ISOMETRICALLY

ORIGINAL DATE (MM-DD-YY)	DESIGN	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY P. FOSARIO	CHECKED BY D. BARRY		
DRAWING APPROVAL P. BRAVO DESIGN	PROJECT CONTRACT NO.		
		206 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE FRACTIONS DECIMALS ANGLES			
SIZE B	CAGE CODE 07M26	DWG NO. 646.9500	REV. N/C
SCALE NONE			SHEET 2 OF 3

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

206 CABLE CUTTERS KIT

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



ORIGINAL DATE 04/01/07		APICAL INDUSTRIES	
DRAWN BY P. ROSARIO		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
CHECKED BY D. BARNES		206 CABLE CUTTERS KIT	
DRAWING APPROVAL P. BRAVO		SIZE (CAGE CODE) DWG. NO. 646.9500	
CONTRACT NO.		SCALE NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE 1 PLACE DECIMALS ± .01 2 PLACE DECIMALS ± .005 ANGLES ± .5°		SHEET 3 OF 3	